Section-B

Note: Answer any NINE of the following questions. Each question carries 04 marks.

Q.2 Define the function of Mini Compute.

Q.3 What is the difference between Low-level language and High-level language?

Q.4 Define different types of Scanner?

Q.5 What is the different between Dynamic and Static RAM?

Q.6 What is Number System?

Q.7 What is EBCDIC (Extended binary coded Decimal Interchange code)?

Q.8 What is logical operator?

Q.9 Define Sum of Product (SoP).

Q.10 What is the function of Interpreter?

Q.11 What is the difference between Internal and External Commands in DOS?

Q.12 Explain any TWO of the following DOS Commands.

VER _ MKDIR _ TYPE _ PATH

Q.13 Convert the following into required bases.

(a) $(42153)_8 = (?)_2$ (b) $(3AC8)_{16} = (?)_{10}$

Section-C

Note: Answer any THREE of the following questions. Each question carries 08 marks.

Q.14 What is Application Software? Also explain the types of Application Software.

Q.15 Explain briefly Charles Babbage's Difference Engine.

Q.16 Write notes on the following.

(a) Truth table (b) ABACUS

Q.17 What are the Laws of Boolean Algebra?

Q.18 What is DeMorgan's theorems? Also prove that theorems.